

060314Z FEB 78

<120> DNA Encoding SNORF62 And SNOEF72 Receptors

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<141>

<150> 09/558,099

<151> 2000-04-25

<160> 46

<170> PatentIn Ver. 2.1

 $\langle 210 \rangle$ 1

<211> 1318

<212> DNA

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Description of Artificial Sequence: primer/probe

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gctgatcttc	gtgggtgggcg	ctgtggggcaa	tgggctgacc	tgtctggtca	tcttgcgccca	300
caaggccatg	cgcacgccta	ccaactacta	cctcttcagc	ctggccgtgt	cggacctgct	360
ggtgctgctg	gtggggcctgc	ccctggagct	ctatgagatg	tggcacaact	acccttccct	420
gctggggcgtt	ggtggctgct	atttcgcgac	gctactgttt	gagatggtct	gcctggcctc	480
agtgctcaac	gtcactgcc	tgagcgtgga	acgetatgtg	gccgtggtgc	accactcca	540
ggccaggctc	atggtgacgc	gggcccatgt	gcgccgagtg	cttggggccg	tctgggggtct	600
tgccatgctc	tgctccctgc	ccaacaccag	cctgcacggc	atccggcagc	tgcacgtgcc	660
ctgccggggc	ccagtgccag	actcagctgt	ttgcatgctg	gtccgcccac	gggccttcta	720
caacatggta	gtgcagacca	ccgcgctgct	cttctttctgc	ctgcccatgg	ccatcatgag	780
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ggccaagggc	aggggctctg	cagcagccag	gtccagatac	acctgcaggc	tccagcagca	900
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ctgctggggc	ccgttccacg	ccgaccgcgt	catgtggagc	gtcgtgtcac	agtggacaga	1020
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ggaggccctg	tgctcgggg	cctgctgcc	tgcctcaga	ccccgccaca	gctccacag	1200
cctcagcagg	atgaccacag	gcagcacct	gtgtgatgtg	ggctccctgg	gcagctgggt	1260

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<210> 2

<211> 426

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 2

Met Thr Pro Leu Cys Leu Asn Cys Ser Val Leu Pro Gly Asp Leu Tyr
1 5 10 15

Pro Gly Gly Ala Arg Asn Pro Met Ala Cys Asn Gly Ser Ala Ala Arg
20 25 30

Gly His Phe Asp Pro Glu Asp Leu Asn Leu Thr Asp Glu Ala Leu Arg
35 40 45

Leu Lys Tyr Leu Gly Pro Gln Gln Thr Glu Leu Phe Met Pro Ile Cys
50 55 60

Ala Thr Tyr Leu Leu Ile Phe Val Val Gly Ala Val Gly Asn Gly Leu
65 70 75 80

Thr Cys Leu Val Ile Leu Arg His Lys Ala Met Arg Thr Pro Thr Asn
85 90 95

Tyr Tyr Leu Phe Ser Leu Ala Val Ser Asp Leu Leu Val Leu Leu Val
100 105 110

Gly Leu Pro Leu Glu Leu Tyr Glu Met Trp His Asn Tyr Pro Phe Leu
115 120 125

Leu Gly Val Gly Gly Cys Tyr Phe Arg Thr Leu Leu Phe Glu Met Val
130 135 140

Cys Leu Ala Ser Val Leu Asn Val Thr Ala Leu Ser Val Glu Arg Tyr
145 150 155 160

Val Ala Val Val His Pro Leu Gln Ala Arg Ser Met Val Thr Arg Ala
165 170 175

His Val Arg Arg Val Leu Gly Ala Val Trp Gly Leu Ala Met Leu Cys
180 185 190

<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 3

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atctggcctt cctctgcgga cctcggcgca gccacttctt cctccccgtg tctgtgggtgt 180
atgtgccaat ttttgtgggtg ggggtcattg gcaatgtcct ggtgtgcctg gtgattctgc 240
agcaccaggc tatgaagacg cccaccaact actacctctt cagcctggcg gtctctgacc 300
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tccccaatgg gtccctggtc ccaggttcgg ccacctgtac ggtcatcaag cccatgtgga 660
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tggagctgac cgaagatata ggtccccaat tcccatgtca gtcacccatg cacaactctc 1200
acctcccaac agccctctct agtgaacaga tgtcaagaac aaactatcaa agcttccact 1260
ttaacaaaac ctgaattctt tcagagctga ctctcctc 1298

<210> 4

<211> 415

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 4

Met Ser Gly Met Glu Lys Leu Gln Asn Ala Ser Trp Ile Tyr Gln Gln
1 5 10 15
Lys Leu Glu Asp Pro Phe Gln Lys His Leu Asn Ser Thr Glu Glu Tyr
20 25 30
Leu Ala Phe Leu Cys Gly Pro Arg Arg Ser His Phe Phe Leu Pro Val
35 40 45

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Phe Lys Val Asp Glu Glu Phe Gln Gly Pro Ile Val Ser Gln Asn Arg
 1 5 10 15

Arg Tyr Phe Leu Phe Arg Pro Arg Asn
 20 25

<210> 7
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer/probe

<400> 7
 Tyr Lys Val Asn Glu Tyr Gln Gly Pro Val Ala Pro Ser Gly Gly Phe
 1 5 10 15

Phe Leu Phe Arg Pro Arg Asn
 20

<210> 8
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer/probe

<400> 8
 Tyr Phe Leu Phe Arg Pro Arg Asn
 1 5

<210> 9
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer/probe

<400> 9
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000E90-94T60950

0960716-093000

<223> Description of Artificial Sequence: primer/probe

24

<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

24

<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

24

<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

24

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<223> Description of Artificial Sequence: primer/probe

<213> Artificial Sequence

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<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

9

SECRET

<223> Description of Artificial Sequence: primer/probe

caatggcagt gcggcc

16

<211> 20

<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

ggatatgtggc acagatgggc

20

<211> 30

<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

actttgaccc tgaggacttg aacctgactg

30

<211> 15

<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

cctcggcgca gccac

15

0609 **0610** **0611** **0612** **0613**

<223> Description of Artificial Sequence: primer/probe

gaatcaccag gcacaccagg 20

<211> 20

<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

gaatcaccag gcacaccagg 20

 $\langle 211 \rangle$ 1231

<213> Artificial Sequence

<223> Description of Artificial Sequence: primer/probe

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cagtgcacta	tcccttcogg	tgtctgtggc	ctatgcgctg	atcttcctgg	tgggggtaat	180
gggcaatctt	ctgggtgtga	tggtgattgt	ccgacatcag	actttgaaga	caccaccaa	240
ctactatctc	ttcagcttgg	cagtctcaga	tctgctggtc	ctgctcttgg	ggatgcctct	300
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caagacagcc	ctcttcgaga	ctgtgtgctt	tgcttccatt	ctcagtgcca	ccacggttag	420
cgtagagcgc	tatgtggcca	ttgtccaccc	ttccgagcc	aagctggaga	gcacgcggcg	480
acgggccctc	aggatcctca	gcctagtctg	gagcttctct	gtgggtcttt	ctttgcccaa	540
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 gaagatcatc ttcttgacag aatgtcacct cgtggagctg acagaggatg caggccccc 1140
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<210> 25

<211> 395

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 25

Met Gly Lys Leu Glu Asn Ala Ser Trp Ile His Asp Pro Leu Met Lys
 1 5 10 15

Tyr Leu Asn Ser Thr Glu Glu Tyr Leu Ala His Leu Cys Gly Pro Lys
 20 25 30

Arg Ser Asp Leu Ser Leu Pro Val Ser Val Ala Tyr Ala Leu Ile Phe
 35 40 45

Leu Val Gly Val Met Gly Asn Leu Leu Val Cys Met Val Ile Val Arg
 50 55 60

His Gln Thr Leu Lys Thr Pro Thr Asn Tyr Tyr Leu Phe Ser Leu Ala
 65 70 75 80

Val Ser Asp Leu Leu Val Leu Leu Leu Gly Met Pro Leu Glu Ile Tyr
 85 90 95

Glu Met Trp His Asn Tyr Pro Phe Leu Phe Gly Pro Val Gly Cys Tyr
 100 105 110

Phe Lys Thr Ala Leu Phe Glu Thr Val Cys Phe Ala Ser Ile Leu Ser
 115 120 125

Val Thr Thr Val Ser Val Glu Arg Tyr Val Ala Ile Val His Pro Phe
 130 135 140

Arg Ala Lys Leu Glu Ser Thr Arg Arg Arg Ala Leu Arg Ile Leu Ser
 145 150 155 160

Leu Val Trp Ser Phe Ser Val Val Phe Ser Leu Pro Asn Thr Ser Ile

175

Leu Thr Thr Ala Pro Cys Ala Gly Glu Val Pro
385 390 395

13

13609146 7300

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 26

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tgaggacctg aggctgaagt acttggggcc acagcaggta aaacaatttt tgcccatctg 180
tgtcacgtac ctgttgatct tcgtagtggg cactctgggc aacgggttga cctgcaccgt 240
catcctgcgc cagaaggcaa tgcacacgcc caccaacttc tacctcttca gtctcgcggt 300
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<210> 27

<211> 413

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 27

Met Glu Leu Ser Pro Asn Ala Ser Thr Gly Leu Leu Ser Cys Asn Asp
1 5 10 15
Ser Glu Phe Lys Glu His Phe Asp Leu Glu Asp Leu Asn Leu Thr His
20 25 30
Glu Asp Leu Arg Leu Lys Tyr Leu Gly Pro Gln Gln Val Lys Gln Phe
35 40 45

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Arg Leu Met Trp Ser Met Val Ser His Trp Thr Asp Gly Leu Arg Leu
305 310 315 320

Ala Phe Gln Ser Val His Leu Ala Ser Gly Val Phe Leu Tyr Leu Gly
325 330 335

Ser Ala Ala Asn Pro Glu Leu Tyr Asn Leu Met Ser Thr Arg Phe Arg
340 345 350

Glu Ser Phe Arg Glu Thr Leu Gly Leu Gly Thr Arg Cys Cys His Arg
355 360 365

His Gln Pro Arg His Asp Ser His Ser His Leu Arg Leu Thr Thr Val
370 375 380

Ser Thr Leu Cys Asp Arg Asn Ser Arg Asp Val Pro Leu Ala Glu Asn
385 390 395 400

Arg Asp Pro Gly Cys Glu Gln Glu Thr Asp Pro Pro Glu
405 410

<210> 28

<211> 1371

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 28

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atgcttcaac gggcctcttg tcctgcaatg acagtgaagt caaggagcac tttgaccttg 180
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cgtgtacgct ggtgcgtccc cagttcttct acaagttggg aatacagacg accatactgc 780
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<210> 29

<211> 439

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 29

Met Asp Phe Leu Ser Gln Cys His Phe Phe Leu Ile Cys Lys Met Gly
1 5 10 15

Leu Leu Ser Arg Lys Arg Arg His Ser Gln Leu Arg Leu Ser Pro Asn
20 25 30

Ala Ser Thr Gly Leu Leu Ser Cys Asn Asp Ser Glu Phe Lys Glu His
35 40 45

Phe Asp Leu Glu Asp Leu Asn Leu Thr His Glu Asp Leu Arg Leu Lys
50 55 60

Tyr Leu Gly Pro Gln Gln Val Lys Gln Phe Leu Pro Ile Cys Val Thr
65 70 75 80

Tyr Leu Leu Ile Phe Val Val Gly Thr Leu Gly Asn Gly Leu Thr Cys
85 90 95

Thr Val Ile Leu Arg Gln Lys Ala Met His Thr Pro Thr Asn Phe Tyr
100 105 110

Leu Phe Ser Leu Ala Val Ser Asp Leu Leu Val Leu Leu Val Gly Leu
115 120 125

Pro Leu Glu Leu Tyr Glu Met Gln His Asn Tyr Pro Phe Gln Leu Gly
130 135 140

Ala Gly Gly Cys Tyr Phe Arg Ile Leu Leu Leu Glu Thr Val Cys Leu
145 150 155 160

Ala Ser Val Leu Asn Val Thr Ala Leu Ser Val Glu Arg Tyr Val Ala

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				165						170						175
Val	Val	His	Pro	Leu	Gln	Ala	Lys	Ser	Val	Met	Thr	Arg	Thr	His	Val	
			180					185					190			
Arg	Arg	Met	Leu	Gly	Ala	Ile	Trp	Val	Phe	Ala	Ile	Leu	Phe	Ser	Leu	
		195					200					205				
Pro	Asn	Thr	Ser	Leu	His	Gly	Leu	Ser	Pro	Leu	Tyr	Val	Pro	Cys	Arg	
	210					215					220					
Gly	Pro	Val	Pro	Asp	Ser	Val	Thr	Cys	Thr	Leu	Val	Arg	Pro	Gln	Phe	
225					230					235					240	
Phe	Tyr	Lys	Leu	Val	Ile	Gln	Thr	Thr	Ile	Leu	Leu	Phe	Phe	Cys	Leu	
			245						250					255		
Pro	Met	Val	Thr	Ile	Ser	Val	Leu	Tyr	Leu	Leu	Ile	Gly	Leu	Arg	Leu	
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Arg	Arg	Glu	Arg	Met	Leu	Leu	Gln	Glu	Glu	Val	Lys	Gly	Arg	Ile	Ser	
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Ala	Ala	Ala	Arg	Gln	Ala	Ser	His	Arg	Ser	Ile	Gln	Leu	Arg	Asp	Arg	
	290					295					300					
Glu	Arg	Arg	Gln	Val	Thr	Lys	Met	Leu	Ile	Ala	Leu	Val	Ile	Val	Phe	
305					310					315					320	
Gly	Thr	Cys	Trp	Val	Pro	Phe	His	Ala	Asp	Arg	Leu	Met	Trp	Ser	Met	
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			340					345					350			
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		355					360					365				
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	370					375					380					
Leu	Gly	Leu	Gly	Thr	Arg	Cys	Cys	His	Arg	His	Gln	Pro	Arg	His	Asp	
385					390					395					400	
Ser	His	Ser	His	Leu	Arg	Leu	Thr	Thr	Val	Ser	Thr	Leu	Cys	Asp	Arg	
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Asn	Ser	Arg	Asp	Val	Pro	Leu	Ala	Glu	Asn	Arg	Asp	Pro	Gly	Cys	Glu	

430

